



Please use a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/08B(08-00)

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

### Complete if Known

Application Number	09/829,481
Filing Date	April 10, 2001
First Named Inventor	James K. Presnail et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1441 USNA

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AKC		KARIN THEVISSEN ET AL., Journ. of Biol. Chem., vol. 271(25):15018-15025, 1996, Fungal Membrane Responses Induced by Plant Defensins and Thionins	0
		JOHN M. MANNERS ET AL., Plant Mol. Biol., vol. 38:1071-1080, 1998, The promoter of the plant defensin gene PDF1.2 from Arabidopsis is systematically activated by fungal pathogens and responds to methyl jasmonate but not to salicylic acid	1
		FRANKY R.G. TERRAS ET AL., Planta, vol. 206:117-124, 1998, Evidence that the role of plant defensins in radish defense responses is independent of salicylic acid	1
		FRANK R. G. TERRAS ET AL., Plant Cell, vol. 7:573-588, 1995, Small Cystein-Rich Antifungal Proteins from Radish: Their Role in Host Defense	1
		NIRANJAN MAITRA ET AL., Plant Phys., vol. 118:1536, 1998, Characterization of a Drought-Induced Soybean cDNA Encoding a Plant Defensin	1
		SHIGEHIRO YAMADA ET AL., Plant Phys., vol. 115:314, 1997, cDNA Cloning of $\gamma$ -Thionin from Nicotiana excelsior	1
		GUILLAUME MITTA ET AL., Journ. of Cell Science, vol. 112:4233-4242, 1999, Mussel defensins are synthesized and processed in granulocytes then released into the plasma after bacterial challenge	1
		ALEXANDER V. PANYUTICH ET AL., J. Lab. Clin. Med., vol. 122:202-207, 1993, Plasma defensin concentrations are elevated in patients with septicemia or bacterial meningitis	1
		JUN ISHIBASHI ET AL., Eur. J. Biochem., vol. 266:616-623, 1999, Purification, cDNA cloning and modification of a defensin from the coconut rhinoceros beetle, Oryctes rhinoceros	1
		LAURENCE EHRET-SABATIER ET AL., Journ. of Biol. Chem., vol. 271(47):29537-29544, 1996, Characterization of Novel Cystein-rich Antimicrobial Peptides from Scorpion Blood	1
		STEPHANE COCIANCICH ET AL., Biochem. and Biophys. Res. Comm., vol. 194(1):17-22, 1993, Purification and characterization of a scorpion defensin, a 4kDa antibacterial peptide presenting structural similarities with insect defensins and scorpion toxins	1
		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 5533299, 07-20-99, HUBERT, F. ET AL., Defensins: involvement in mussel defense	1
AKC		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 6014948, 05-30-00, EHRET-SABATIER, L. ET AL., Characterization of novel cystein-rich antimicrobial peptides from scorpion blood	1

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

1995, no persons are required to respond.

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10/31/2002: OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Respond to a collection of information unless it contains a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	1	of	1
-------	---	----	---

**Complete if Known**

Application Number	09/829,481
Filing Date	April 10, 2001
First Named Inventor	James K. Presnail et al
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1441 USNA

RECEIVED

FEB 15 2002

TECH CENTER 1600/2900

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

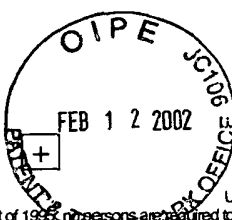
~~Date~~  
~~Considered~~

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231**

Please type a plus sign (+) inside this box



PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

### Complete if Known

Application Number 09/829,481  
Filing Date April 10, 2001  
First Named Inventor James K. Presnail  
Group Art Unit Unknown  
Examiner Name Unknown  
Attorney Docket Number BB1441 USNA

RECEIVED

FEB 15 2002

TECH CENTER 1600/2900

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ARK		JULES A. HOFFMANN ET AL., IMMUNOLOGY TODAY, VOL. 13(10):411-415, 1992, INSECT DEFENSINS: INDUCIBLE ANTIBACTERIAL PEPTIDES	
		SHUNYI ZHU ET AL., IUBMB LIFE, VOL. 50:57-61, 2000, EVIDENCE FOR THE EXISTENCE OF INSECT DEFENSIN-LIKE PEPTIDE IN SCORPION VENOM	
		STEPHANE COCIANCICH ET AL., BIOCHEM. & BIOPHYS. RES. COMM., VOL. 194(1):17-22, 1993, PURIFICATION AND CHARACTERIZATION OF A SCORPION DEFENSIN, A 4KDA ANTIBACTERIAL PEPTIDE PRESENTING STRUCTURAL SIMILARITIES WITH INSECT DEFENSINS AND SCORPION TOXINS	
ARK		LAURENCE EHRET-SABATIER ET AL., JOURN. OF BIOL. CHEM., VOL. 271(47):29537-29544, 1996, CHARACTERIZATION OF NOVEL CYSTEINE-RICH ANTIMICROBIAL PEPTIDES FROM SCORPION BLOOD	

Examiner  
Signature

Date  
Considered

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.